ANT1
ANTENNA

J19
TMP

J20
TMP

ANT2
ANTENNA

L3
1mH PC

L4
1mH PC

GAP1
SPARK GAP

GAP2
SPARK GAP

D85
CMR1-10

S15
RELAY SPDT

TX IN

C10
.1uF SM

C11
.1uF SM

R133 1k SM

C12
.01uF 500v

C13
.1uF SM

L1
1mH

L2
1mH

D87
1N4007

D90
BAV21W

D92
BAV21W

D93
1N4007

R55
470 SM

R58
470 SM

C9
.1uF SM

D89
BAV21W

D91
BAV21W

C14
.1uF SM

R56
470 SM

C75
.01uF 500v
L6
100uH SM

R57
47k SM

R59
470 SM

L8
100uH SM

D88
1N4007

D94
1N4007

R60
3.3k SM

C16
.1uF SM

Q21
PZTA92

C15
.1uF SM

R61
10k SM

L9
100uH SM

R135
220 SM

R134
220 SM

L7
100uH SM

C17
.1uF SM

C18
.1uF SM

R

R

L5
1mH PC

GAP3
SPARK GAP

AUX ANT

S10
RELAY SN1A12A

D98
MMSD914

S9
RELAY SN1A12A

D99
MMSD914

S8
RELAY SN1A12A

D100
MMSD914

S4
RELAY SN1A12A

D101
MMSD914

S6
RELAY SN1A12A

D102
MMSD914

S5
RELAY SN1A12A

D103
MMSD914

S3
RELAY SN1A12A

D105
MMSD914

S2
RELAY SN1A12A

D106
MMSD914

S1
RELAY SN1A12A

D107
MMSD914

D96
MMSD914

D97
MMSD914

D95
MMSD914

K2
RELAY REED

J4
TMP

+13.8v

C73
.01uF SM

R81
560 SM

+13.8v

R84
2.2k SM

Q33
MMBT3904

R83
4.7k SM

R

Q32
MMBT3904

R82
4.7k SM

T2
BIFILAR CT

T1
TRANSFORMER

R62
47 SM

S7a
RELAY SN1A12A

D83
MMSD914

To SUB RX

J5
TMP

S7b
RELAY SN1A12A

D84
MMSD914

To MAIN RX

J6
TMP

+13.8v

R52
820 SM

R53
820 SM

R54
820 SM

C8
.1uF SM

CLOCK

ENABLE3

DATA

1	OUT8	OUT9 20
2	OUT7	OUT 10 19
3	OUT6	SER DA OU 18
4	CLOCK	LD VBB 17
5	GND	SER DAT 16
6	LGC VDD	BLNK 15
7	STROBE	OUT1 14
8	OUT5	OUT2 13
9	OUT4	OUT3 12
10	NC	NC 11

U3
A6810SLW

D86
5.1v SM

TEN-TEC, INC.

1185 DOLLY PARTON PARKWAY
SEVIERVILLE, TN 37862

Size	Document Number	REV
B	INPUT/OUTPUT A0	
Date: May 22, 2003	Sheet 3 of 5	